**Name:** Akhil **Email:** akhilg0595@gmail.com

**Ph no:** 91**-**9550538520 **DevOp**s **Engineer**

**Career Objective:**

* Comprehensive experience in the design and implementation of Continuous Integration, Continuous Deployment, Continuous Delivery and DevOps Operations for Agile projects, working with technologies and platforms including **UNIX/Linux, Git, BitBucket, GitHub, Maven, Jenkins, AWS, Ansible, Docker, Tomcat, Kubernetes, Terraform** across Service Sector.

**Professional Profile:**

* Having 3.7 years of hands on experience on implementing DevOps , Cloud AWS , CICD setup using various DevOps tools.
* Experience in installation and configuration tools like Git, Jenkins, Docker, Kubernetes, Ansible, Maven, Tomcat, Linux & Ubuntu environments.
* Experienced in working on **Agile** operations process and tools area (Build & Release automation, Environment & Service).
* Experience with **CI (Continuous Integration)** and **CD (Continuous Deployment)** methodologies using **Jenkins, Git, Docker, Kubernetes, Ansible.**
* Experience in using Version Control Tools **Github, BitBucket, Git, Gitlab**.
* Working experience with cloud infrastructure of **AWS**  and computing AMI virtual machines on **Elastic Compute Cloud (EC2), IAM, RDS, S3, VPC, Route53, ECR, SNS, CloudWatch.**
* Experience in setup and configure Configuration Management tools  **Ansible.**
* Experience in writing **Ansible** playbooks ,roles and setting up **Ansible** server and client uploading them to **Ansibl**e managed **OS/Applications/Services/Packages** using **Ansible** Playbooks.
* Experience in setup and configure CICD Tools called **Jenkins**.
* Experience in setup and configure container management tool called **Docker.**
* Experience with writing Docker files and Docker-compose files.
* Experience in setup and configure, operate orchestration tool called **Kubernetes**.
* Experience on **Helm charts.**
* Worked on instance root volume increase and creation of new volumes, attaching new volumes to existing instances.
* Experience in working with Tracking Tools **JIRA.**
* Continuous integration process setup using **Jenkins**.
* In-depth understanding of the principles and best practices of **Software Configuration Management (SCM)** processes, which include compiling, packaging, deploying and Application configurations.
* Experienced in Managing User Accounts and Groups, Managing Files and Directories, Package/Patch Management and Configuration, Managing Services, Volume Management.
* Experience in administering Web server Apache and Application server Tomcat.
* Strong knowledge and experience in AWS services like EC2,VPC,S3,EBS,IAM,ELB,Auto Scaling etc.
* Used Amazon Cloud Watch to monitor server services like logs, CPU, RAM and disk storage.
* Manage VPC with Subnets, Internet gate way, Route table, NAT gate way.
* Having good experience on Linux environment

**Technical Skills:**

* DevOps Culture : Aws, Docker, Kubernetes, Ansible, Terraform, Jenkins
* Source Code Management Tools : GIT, GITHUB and BITBUCKET
* Operating Systems : Linux , Ubuntu, Centos, RedHat, Windows
* Build Tool : Maven
* Continuous Integration Tool : Jenkins
* Configuration Management Tool : Ansible
* Cloud Service : AWS
* Infrastructure Automation Tool : Terraform
* Containerization & VM : Docker
* Container Orchestration : Kubernetes, Docker Swarm
* Scripting Languages : YAML, Groovy
* Web server : Apache2, Httpd, Nginx
* Application Server : Tomcat
* Ticketing Tool : Jira
* Monitoring Tool : Knowledge on Nagios

**Professional Experience:**

* Working as **DevOps Engineer** in **TCS**, Hyderabadfrom August 2017 to Till date.

**Project Details:**

**Project Name** : Ebates online shopping Portal.

**Client** : Ebates.com

**Role :**  Devops Engineer

**Environment :** Git, GitHub, Bit Bucket, Jenkins, Groovy, Docker, Kubernetes, Ansible, AWS.

**Roles & Responsibilities:**

* Developed and implemented **Software Release & Deployments**  strategies for various applications according to the agile process.
* Experience in cloning the repository and creating branches and tags from master to separate build system after a milestone releases.
* **Installed, Configured** and **Administered, Operate Jenkins** as a continuous integration tool.
* Developed build and deployment scripts using **Maven and Docker, Kubernetes** as build tool in **Jenkins** to deploy multiple environments.
* Experience in working with Ansible for continuous delivery model
* Implemented Infrastructure automation through Ansible for auto provisioning, code deployments, software installation and configuration updates.
* Written ansible YAML scripts that can store the credentials for various sandboxes
* Building the **Docker** Images using Dockerfile while Building the application using **Maven** in **Jenkins**.
* Handled multiple environment builds to create build setup and perform deployment activities.
* Wrote Terraform scripts for infrastructure automation
* Experience in writing kubernetes manifest files for k8s deployments, services, pods and experience in writing **Helm charts.**
* Wrote Docker files for building customized images
* Configuration of Jenkins CI tool for automated build and Integrating Jenkins with **Docker.**
* Working on CI/CD in Jenkins from maven project, pipeline and free style projects.
* Troubleshoot console output every time for every build in Jenkins.
* Managed AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing.
* Created Virtual Private Cloud, Internet gateway, subnet and route tables using Amazon VPC
* Involved in Branching, Tagging of code delivery at required releases.
* Involved in Deployment of the application using Tomcat.
* Automated build process used for Web Based applications using one or more tools/Automation framework like Jenkins.
* Create, manage, and delete users and groups as per the request using Amazon IAM.
* Used Amazon S3 for multipart upload of data and to host static web content in AWS Cloud
* Setting up the new build environment for various products in Linux environment.
* Interacting with developers to sort out issues related to Build Automation.
* Project involved the usage of maintaining repository and version controlling.
* Inputs to planning and estimation for configuration and release management activities.
* Virtualized the servers on AWS using the Docker, create the Docker files and version control.
* Co-work with the globally distributed Development team to fix the build related issues.
* Created EC2 instances for various environments
* Created S3 buckets for storing objects
* Assigning roles to EC2 instance to access/store data from other AWS service like S3.
* Uploading data ,Snapshots and EBS volumes in S3 storage, while creating EC2 instance.
* Created VPC for managing custom network.
* Created IAM users for managing required AWS services for IAM users
* Experience with architecting application on AWS using different resources like EC2, VPC, ELB, EBS, Cloud Watch, Autoscaling.
* Taking instance backups as Amazon Machine Image(AMI) and launching these when we need similar servers.

**Academic Profile:**

* B.Tech from JNTU Hyderabad in 2017

**Declaration:**

I, here by declare that all the statements made above are true, complete and correct to the best of my knowledge and belief.

**Akhil Reddy**